



**US Army Corps  
of Engineers®**

# Great Lakes Regional Sediment Budget

## GLRI Foundations for Future Restoration Actions

**Project Location:** This project covers the entire near-shore area of the United States on Lake Huron, Lake Michigan, and Lake Superior.

**Description of Problem:** Regional sediment budgets are valuable tools for supporting regional planning near shore efforts. There is a vital need for the development of sediment budgets for these three lakes to inform response to coastal change rates and opportunities to restore or enhance shorelines.



**Proposed Project:** The goal is to develop a sediment budget coverage for the U.S. portion of the Great Lakes shoreline where data is available. The coverage data will be publicly available within a web interface. Geospatial data will be collected from historical aerial imagery, internal USACE data and state geospatial data. Data gaps will also be identified for areas where sediment budget development may not advance beyond a conceptual stage, to prioritize future research efforts.



**Partners and Collaboration:** NOAA, ERDC, USGS, States of Indiana, Illinois, Ohio, Michigan, Minnesota, and Wisconsin.

**Project Benefits:** The project will develop a sediment budget for all of the Great Lakes. The new data will add to existing sediment budget data for Lake Erie and Ontario. All of the data and metadata will be publicly available through a web interface.

**Project Status:** Project data deliverables have been finalized and the team is working with stakeholders to secure long term data hosting and complete the Great Lakes Sediment Budget framework viewer. An outreach effort will share these data deliverables and the web viewer with interested stakeholders.

Project Milestones	
Stakeholder Data Collection	DEC 2019 (A)
Historic and Modern Bluff line delineation of Lake Michigan.	March 2021 (A)

<b>Estimated Project Costs</b>	
Federal	\$635,000
Non-Federal	\$0
Total	\$635,000

Sediment Budget Framework Web Viewer	OCT 2021
Web Viewer Outreach	JAN 2022

<b>Point of Contact</b>
Timothy Noon (716) 879-4261 Timothy.W.Noon@usace.army.mil

